

10/30/05

Amended Claims

What is claimed is:

1. A recycle guarantee method carried out by a server, wherein the server performs the following:

receiving recycle guarantee conditions of a material constituting a product;

storing the received recycle guarantee conditions together with a guarantee code of the material and a guarantee code of a product made of the material;

receiving the guarantee code of the material from a product maker's terminal, extracting the stored recycle guarantee conditions on the basis of the received guarantee code, and transmitting the extracted recycle guarantee conditions to the product maker's terminal; and

receiving the guarantee code of the product from a consumer's terminal, extracting the recycle guarantee conditions on the basis of the received guarantee code, and transmitting the extracted recycle guarantee conditions to the consumer's terminal.

2. The method of claim 1, wherein the server transmits recycle guarantee conditions for respective waste disposal methods in place of the recycle guarantee conditions for the material.

3. The method of claim 2, wherein the server transmits information concerning environmental loads of the respective waste disposal methods.

4. The method of any one of claims 1 to 3, wherein the same guarantee code is assigned to the material and the product.

5. The method of any one of claims 1 to 3, wherein different guarantee codes are assigned to the material and the product.

6. The method of any one of claims 1 to 5, wherein the server issues the guarantee code of the material to be attached thereon.

7. The method of any one of claims 1 to 5, wherein the server receives the guarantee code of the material from a material selling agent's terminal.
8. The method of claim 5, wherein the server issues the guarantee code of the product to be attached thereon.
9. The method of claim 5, wherein the server receives the guarantee code of the product from the product maker's terminal.
10. The method of any one of claims 1 to 9, wherein the server further performs the following:
 - receiving information for determining a satisfaction level of the product with respect to the recycle guarantee conditions of the material;
 - determining the satisfaction level of the product on the basis of the recycle guarantee conditions and the received information;
 - calculating a waste collecting condition of the product on the basis of the determined satisfaction level of the product; and
 - sending the calculated waste collecting condition to the consumer's terminal.
11. A recycle guarantee method carried out by a server, wherein the server performs the following:
 - receiving recycle guarantee conditions of a material constituting a product;
 - receiving information for determining a satisfaction level of the product with respect to the recycle guarantee conditions of the material;
 - determining a satisfaction level of the product on the basis of the recycle guarantee conditions of the material and the received information;
 - calculating a waste collecting condition of the product on the basis of the satisfaction level of the product; and
 - outputting the product waste collecting condition.
12. The method of claim 11, wherein a collecting condition of the material is applied in place of the collecting condition for the product.
13. The method of any one of claims 10 to 12, wherein the collecting

condition of the product includes information concerning a waste collecting fee.

14. The method of any one of claims 10 to 13, wherein the collecting condition of the product includes information concerning a collector.

15. The method of any one of claims 10 to 14, wherein the server receives information for determining the satisfaction level of the product from a product maker's terminal and a consumer's terminal.

16. The method of any one of claims 10 to 15, wherein the information for determining the satisfaction level of the product is determined depending upon a state of the product discarded as a waste.

17. The method of any one claims 1 to 16, wherein the recycle guarantee conditions of the material are inputted in the server prior to the material making.

18. The method of any one claims 1 to 16, wherein the recycle guarantee conditions of the material are inputted in the server after the material making.

19. The method of any one of claims 1 to 18, wherein the recycle guarantee conditions of the material are established at respective stages in the life cycle of the product.

20. The method of claim 19, wherein the recycle guarantee conditions of the material include material processing conditions and service conditions of the product made of the material.

21. The method of claim 20, wherein the recycle guarantee conditions of the material include conditions for breaking down the product waste.

22. The method of any one of claims 1 to 21, wherein the product is furniture made of a wooden material.

23. The method of any one of claims 1 to 21, wherein the product is a bottle made of polyethylene terephthalate.

24. A recycle guarantee server comprising:

- a receiver receiving recycle guarantee conditions of a material constituting a product;

- a storage storing the received recycle guarantee conditions together with a guarantee code of the material and a guarantee code of the product, the guarantee codes being used to identify the recycle guarantee conditions;

- a receiver receiving the guarantee code from a terminal of a product maker, extracting the recycle guarantee conditions on the basis of the guarantee code, and sending the recycle guarantee conditions to the terminal of the product maker; and

- a unit receiving the guarantee code from a terminal of a consumer, extracting the recycle guarantee conditions on the basis of the guarantee code, and sending the material recycling conditions to the terminal of the consumer.

25. The recycle guarantee server of claim 24 further comprising:

- a receiver receiving information for determining a satisfaction level of the product with respect to the recycle guarantee conditions;

- a unit determining the satisfaction level of the product on the basis of the recycle guarantee conditions and the received information;

- a unit calculating a waste collecting condition of the product on the basis of the determined satisfaction level; and

- a unit sending the collecting condition to a terminal of a consumer.

26. A recycle guarantee server comprising:

- a receiver receiving recycle guarantee conditions of a material constituting a product;

- a receiver receiving information for determining a satisfaction level of the product with respect to the recycle guarantee conditions;

- a unit determining the satisfaction level of the product on the basis of the recycle guarantee conditions and the received information;

- a unit calculating a waste collecting condition of the product on the basis of the determined satisfaction level; and

a unit outputting the collecting condition.

27. A recycle guarantee program enabling a computer to function as the recycle guarantee server of any one of claims 24 to 26.

28. A medium having the recycle guarantee program of claim 27 recorded thereon.

29. (Amended) A medium having recycle guarantee information recorded and attached on a recycle-guaranteed product, wherein the information is stored in a computer together with material recycling conditions, and is used for the computer to search the recycle guarantee conditions.

30. (Amended) The medium of claim 29 having the recycle guarantee conditions.

31. (Amended) A method of selling product materials carried out by a server, the server performing the following:

- receiving recycle guarantee conditions of a material;
- storing the received recycle guarantee conditions in correlation to information for identifying the recycle guarantee conditions;
- receiving the information for identifying the material; and
- searching the stored recycle guarantee conditions on the basis of the information for identifying the material.

32. (Amended) The method of claim 31, wherein the recycle guarantee information is directly indicated on the material.

33. (Amended) The method of claim 31, wherein the recycle guarantee information is printed on paper, which is attached on the material.

34. (Amended) The method of claim 31, wherein the recycle guarantee information is recorded in a computer-readable medium, which is attached on the material.

35. A recycle guarantee method carried out by a server, wherein the

server performs the following:

- receiving recycle guarantee conditions of a material constituting a product;

- storing the received recycle guarantee conditions in correlation to a guarantee information identifier for identifying the recycle guarantee conditions;

- storing a guarantee code of a product made of the material in correlation to the guarantee information identifier; and

- receiving the guarantee code of the product, extracting the stored recycle guarantee conditions on the basis of the received guarantee code, and outputting the extracted recycle guarantee conditions.

36. The method of claim 35, wherein the server issues the guarantee code.

37. The method of claim 35, wherein the server receives the guarantee code.

38. The method of any one of claims 35 to 37, wherein the server performs the following:

- receiving information for determining a satisfaction level of the product with respect to the recycle guarantee conditions;

- determining the satisfaction level of the product on the basis of the recycle guarantee conditions and the information;

- calculating a waste collecting condition on the basis of the satisfaction level of the product; and

- outputting the product waste collecting condition.

39. The method of any one of claims 35 to 38, wherein the collecting condition refers to information concerning a waste collecting fee.

40. The method of any one of claims 35 to 39, wherein the recycle guarantee conditions include material processing conditions and service conditions of the product made of the material.

41. The method of any one of claims 35 to 40, wherein the product is furniture made of a wooden material.

42. The method of any one of claims 35 to 40, wherein the product is a bottle made of polyethylene terephthalate.

43. A recycle guarantee server comprising:

- a receiver receiving recycle guarantee conditions of a material constituting a product;

- a storage storing the received recycle guarantee conditions together with a recycle guarantee information identifier for identifying the recycle guarantee conditions;

- a storage storing a guarantee code of the product in correlation to the recycle guarantee information identifier; and

- a receiver receiving the guarantee code of the product, extracting the guarantee conditions on the basis of the guarantee code, and outputting the recycle guarantee conditions.

44. The server of claim 43 further comprises a unit issuing the guarantee code of the product.

45. The method of claim 43 further comprises a receiver receiving the guarantee code.

46. The server of any one of claims 43 to 45 further comprises:

- a receiver receiving information for determining a satisfaction level of the product with respect to the recycle guarantee conditions;

- a unit determining the satisfaction level of the product on the basis of the recycle guarantee conditions and the received information;

- a unit calculating a waste collecting condition on the basis of the satisfaction level of the product; and

- a unit outputting the calculated waste collecting condition.

47. A recycle guarantee program enabling a computer to function as the server of any one of claims 43 to 46.

48. A product whose recycling is guaranteed and which has information for identifying recycle guarantee conditions of a material constituting the

product.

49. A product whose recycling is guaranteed and which has data for identifying recycle guarantee conditions of a material constituting the product stored in a computer, the recycle guarantee conditions being searched on the basis of the data.

50. The product of claim 48 or 49, wherein the recycle guarantee conditions include material processing conditions and service conditions of the product made of the material.

51. The product of any one claims 48 to 50, wherein the information indicated on the product is for identifying the recycle guarantee conditions and guarantee contents depending upon a satisfaction level of the product with respect to the recycle guarantee conditions.

52. The product of claim 51, wherein the guarantee contents depend upon the satisfaction level of the product .

53. The product of claim 51 or 52, wherein the guarantee contents denote a collection fee.

54. The product of any one of claims 48 to 53 is made of a plurality of materials.

55. (Amended) An account adapted to pay a collection fee of a product waste, wherein an amount of the collection fee is searched on the basis of information for identifying recycle guarantee conditions of a material constituting the product indicated on the product and stored in a data processing unit, and the data processing unit outputs the amount of the collection fee in response to the information.